

## DETAILED ACTION

### ***Allowable Subject Matter***

1. Claims 1-3, 5-18 are allowed. Claims 4 and 8-18 was allowed in the previous office action dated 11/14/11. Applicant has amended claims 1 with the allowable subject matter of claim 4.

2. The following is an examiner's statement of reasons for allowance: [ Regarding claims 1-3 and 5-7] Prior art fails to show, a surface acoustic wave sensor assembly comprising: a surface acoustic wave sensor comprising a plurality of electrodes; a circuit layer including an aperture and a plurality of electrical contacts; and a Z-axis conductive layer to couple the electrical contacts to the electrodes, wherein the surface acoustic wave sensor forms part of a sensor cartridge and the surface acoustic wave sensor is exposed to a fluid path within the cartridge via the aperture.[ including all the remaining limitations of the claims]

3. Regarding claim 8-18] Prior art fails to show, sensor cartridge comprising: a housing comprising a fluid path; and a surface acoustic wave sensor assembly comprising a surface acoustic wave sensor that comprises a plurality of electrodes, a circuit layer that comprises an aperture and a plurality of electrical contacts, and a Z-axis conductive layer to couple the electrical contacts to the electrodes, wherein the surface acoustic wave sensor is exposed to the fluid path via the aperture.[ including all the remaining limitations of the claims]

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See 892

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAREN B. ADDISON whose telephone number is (571)272-2017. The examiner can normally be reached on M-F , 9am -5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walt Benson can be reached on 571-272-2227. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Thomas M. Dougherty/

Primary Examiner, Art Unit 2837